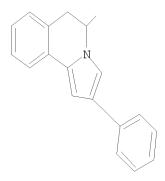
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Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SEARCH INITIATED 15:22:30 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1144 TO ITERATE

100.0% PROCESSED 1144 ITERATIONS 8 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 20851 TO 24909 PROJECTED ANSWERS: 8 TO 329

L2 8 SEA SSS SAM L1

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FULL SCREEN SEARCH COMPLETED - 23310 TO ITERATE

100.0% PROCESSED 23310 ITERATIONS 101 ANSWERS

SEARCH TIME: 00.00.01

L3 101 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS
SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST
196.86
197.09

FILE 'CAPLUS' ENTERED AT 15:22:40 ON 15 JUL 2011 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE COVERS 1907 - 15 Jul 2011 VOL 155 ISS 4

FILE LAST UPDATED: 14 Jul 2011 (20110714/ED)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2011

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2011

CAplus now includes complete International Patent Classification (IPC) reclassification data for the first quarter of 2011.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13 L4 4 L3

=> d abs bib hitstr 1-4

L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2011 ACS on STN

AB It has been shown that the reaction of enamines of the 1,2,3,4-tetrahydroisoquinoline series and 1,2,3,4-tetrahydrobenzo[f]isoquinoline series with p-bromophenacyl bromide leads to pyrrolo[2,1-a]isoquinoline derivs. The same heterocyclic system is obtained on interaction of 1-alkyl-3,4-dihydroisoquinolines or their benzo[f]-analogs with oxalyl chloride. The obtained dioxopyrrolines form derivs. of benzo[g]quinoxalino[2,3-b]indolizine on condensation with o-phenylenediamine.

AN 2007:1353092 CAPLUS

DN 149:425763

- TI Enamines of the 1,2,3,4-tetrahydroisoquinoline series in the Chichibabin synthesis of pyrrolo[2,1-a]isoquinolines and in reaction with oxalyl chloride
- AU Polygalova, N. N.; Mikhailovskii, A. G.; Vikhareva, E. V.; Vakhrin, M. I.

CS Perm State Pharmaceutical Academy, Perm, 614990, Russia

SO Chemistry of Heterocyclic Compounds (New York, NY, United States) (2007), 43(7), 900-905 CODEN: CHCCAL; ISSN: 0009-3122

PB Springer

- DT Journal
- LA English
- OS CASREACT 149:425763
- IT 1065656-67-8P 1065656-69-0P 1065656-72-5P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of pyrrolo[2,1-a]isoquinoline derivs. via heterocyclization of enamines of tetrahydro(benzo[f])isoquinolines with bromophenacylbromide

or heterocyclization of alkyldihydro(benzo[f])isoquinolines with oxalyl chloride)

RN 1065656-67-8 CAPLUS

CN Methanone, [2-(4-bromophenyl)-5,6-dihydro-8,9-dimethoxy-5,5-dimethylpyrrolo[2,1-a]isoquinolin-1-yl]-1-pyrrolidinyl- (CA INDEX NAME)

RN 1065656-69-0 CAPLUS

CN Methanone, [2-(4-bromophenyl)-5,6-dihydro-5,5-dimethylpyrrolo[2,1-a]isoquinolin-1-yl]-4-morpholinyl- (CA INDEX NAME)

RN 1065656-72-5 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 2-(4-bromophenyl)-5,6-dihydro-5,5-dimethyl-, ethyl ester (CA INDEX NAME)

OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)
RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2011 ACS on STN GI

The invention relates to pyrrolodihydroisoquinolines I [R1 = halo, nitro, AΒ amino, alkyl, hydroxy, alkoxy, etc.; R2 = H, halo or alkoxy; R3 = H or alkoxy; two of R1-R3 may combine to form alkylenedioxy; R4 = H, F, C1, alkyl, CF3, cyclopropyl, cyano, carbalkoxy, etc.; R41, R51 = H or alkyl; R5 = H, F or alkyl; R4 and R5 may form an alkylene bridge; R6 = amino, formyl or (un)substituted alkyl; R7 = (hetero)aryl; R8 = oxadiazolyl or oxazolyl], including salts and stereoisomers, which are efficacious inhibitors of PDE10 and are useful in the treatment of the central nervous system disorders, diabetes, etc. Thus, (6,7-dimethoxy-3-methyl-3,4-dihydro-2H-isoquinolin-1-ylidene)acetic acid Me ester was treated with nitroethane and 4-hydroxy-3,5-dimethylbenzaldehyde and then N-hydroxyacetamidine to afford II. Exemplified compds., including II, were assayed for inhibition of PDE10A, showing $-\log IC50 \pmod{1}$ values of 7.76-9.08 in the phosphodiesterase scintillation proximity assay.

AN 2006:888395 CAPLUS

DN 145:271658

TI Preparation of pyrrolodihydroisoquinolines as phosphodiesterase 10 (PDE10) inhibitors

IN Vennemann, Matthias; Baer, Thomas; Braunger, Juergen; Ciapetti, Paola;
Contreras, Jean-Marie; Wermuth, Camille Georges

PA Altana Pharma AG, Germany

SO PCT Int. Appl., 61pp. CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

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PRAI EP 2005-100154
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     WO 2006-EP50167
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ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
     CASREACT 145:271658; MARPAT 145:271658
OS
ΙT
     907604-82-4P
                   907604-83-5P
                                   907604-84-6P
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
     (Uses)
        (preparation of pyrrolodihydroisoquinolines as PDE10 inhibitors)
RN
     907604-82-4 CAPLUS
     Phenol, 4-[5,6-dihydro-8,9-dimethoxy-3,5-dimethyl-1-(3-methyl-1,2,4-
CN
     oxadiazol-5-yl)pyrrolo[2,1-a]isoquinolin-2-yl]-2,6-dimethyl- (CA INDEX
```

NAME)

RN 907604-83-5 CAPLUS
CN Phenol, 4-[1-(3-cyclopropyl-1,2,4-oxadiazol-5-yl)-5,6-dihydro-8,9-dimethoxy-3,5-dimethylpyrrolo[2,1-a]isoquinolin-2-yl]-2,6-dimethyl- (CA INDEX NAME)

RN 907604-84-6 CAPLUS

CN Phenol, 4-[5,6-dihydro-8,9-dimethoxy-3,5-dimethyl-1-(3-phenyl-1,2,4-oxadiazol-5-yl)pyrrolo[2,1-a]isoquinolin-2-yl]-2,6-dimethyl- (CA INDEX NAME)

IT 823820-65-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of pyrrolodihydroisoquinolines as PDE10 inhibitors)

RN 823820-65-1 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3,5-dimethyl-, methyl ester (CA INDEX NAME)

OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2011 ACS on STN GI

AΒ Title compds. I [wherein R1 = halo, nitro, amino, alkyl, hydroxyl or (cyclo)alkoxy; R2 = H, halo or alkoxy; R3 = H or alkoxy; R4 = H, F, C1, alkyl, CF3, cyclopropyl, cyano, ester or (un)substituted methoxy; R41 = H or alkyl; R5 = H, F or alkyl; R51 = H or alkyl; R6 = amino, formyl or (un) substituted alkyl; R7 = (hetero) aryl; R8 = alkyl, Ph, cyano, or carbonyl; etc., or their salts, stereoisomers , hydrates and hydrates of the salts of these compds.] were prepared as cyclic 3',5'-nucleotide phosphodiesterase (PDE10) inhibitors. For exampled, (6,7-dimethoxy-3,4-dihydro-2H-isoquinolin-1-ylidene)acetonitrile was reacted with nitroethane and 4-hydroxy-3,5-dimethylbenzaldehyde to afford II. Exemplified compds. including II showed inhibition against PDE10A with $logIC50 \pmod{/1}$ values of 7.01 - 9.58 in the phosphodiesterase scintillation proximity assay. Therefore, I and pharmaceutical compns. thereof are useful in the treatment of the central nervous system disorders, diabetes, neurol. and/or psychiatric disorders, or in the regulation of fertility.

AN 2005:29331 CAPLUS

DN 142:113920

TI Preparation of pyrrolodihydroisoquinolines as cyclic 3',5'-nucleotide phosphodiesterase (PDE10) inhibitors

IN Maier, Thomas; Graedler, Ulrich; Gimmnich, Petra; Quintini, Gianluca; Ciapetti, Paola; Contreras, Jean-Marie; Wermuth, Camille Georges; Vennemann, Matthias; Baer, Thomas; Braunger, Juergen

PA Altana Pharma A.-G., Germany

SO PCT Int. Appl., 124 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

PATENT NO. KIND DATE APPLICATION NO. DATE

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ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
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     3,5,5-trimethyl-5,6-dihydropyrrolo[2,1-a]isoquinoline-1-carboxylic acid
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     2-(3,4,5-Trimethoxyphenyl)-8,9-Dimethoxy-3,5,5-trimethyl-5,6-
     dihydropyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
     823820-01-5P, 2-[3-(4-Chlorophenoxy)pheny1]-8,9-dimethoxy-3,5,5-
     trimethyl-5,6-dihydropyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl
             823820-02-6P, 2-(3-Dimethylaminophenyl)-8,9-dimethoxy-
     3,5,5-trimethyl-5,6-dihydropyrrolo[2,1-a]isoquinoline-1-carboxylic acid
     ethyl ester 823820-03-7P 823820-04-8P,
     5-Ethyl-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3-methyl-5,6-
     dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
     823820-07-1P
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     8,9-Dimethoxy-3,5-dimethyl-2-naphthalen-1-yl-5,6-dihydro-pyrrolo[2,1-
     a]isoquinoline-1-carboxylic acid ethyl ester 823820-15-1P
     823820-16-2P
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     2-(Naphthalen-1-yl)-3-[2-methoxycarbonylethyl]-5-methyl-8,9-dimethoxy-5,6-
     dihydropyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
     823820-25-3P, 3-[1-Cyano-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-
     dimethoxy-5-methyl-5,6-dihydropyrrolo[2,1-a]isoquinolin-3-yl]propionic
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acid methyl ester
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2-(4-Hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3,5-dimethyl-5,6-
dihydropyrrolo[2,1-a]isoquinoline-1-carbonitrile 823820-28-6P,
7-Fluoro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3,5-dimethyl-5,6-
dihydropyrrolo[2,1-a]isoquinoline-1-carbonitrile
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8,9-Dimethoxy-2-(4-methoxy-3,5-dimethylphenyl)-3,5-dimethyl-5,6-
dihydropyrrolo[2,1-a]isoquinoline-1-carbonitrile 823820-44-6P
823820-46-8P
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4-(1-Cyano-8,9-dimethoxy-3,5-dimethyl-5,6-dihydropyrrolo[2,1-a]isoquinolin-
2-v1)benzoic acid
                  823820-48-0P,
2-(4-Aminophenyl)-8,9-dimethoxy-3,5-dimethyl-5,6-dihydropyrrolo[2,1-
a]isoquinoline-1-carbonitrile 823820-50-4P,
4-(1-Cyano-8-ethoxy-9-methoxy-3,5-dimethyl-5,6-dihydropyrrolo[2,1-
a]isoquinolin-2-yl)benzoic acid 823820-51-5P,
2-(4-Hydroxy-2-methylphenyl)-8,9-dimethoxy-3,5-dimethyl-5,6-
dihydropyrrolo[2,1-a]isoquinoline-1-carbonitrile 823820-52-6P,
4-(1-Cyano-8,9-dimethoxy-3,5-dimethyl-5,6-dihydropyrrolo[2,1-a]isoquinolin-
2-y1)benzamide 823820-53-7P,
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                                                  823820-57-1P
823820-58-2P, Morpholine-4-sulfonic acid
[4-(1-cyano-8,9-dimethoxy-3,5-dimethyl-5,6-dihydropyrrolo[2,1-
alisoquinolin-2-v1)phenvllamide
                                823820-59-3P,
N-[4-(1-Cyano-8,9-dimethoxy-3,5-dimethyl-5,6-dihydropyrrolo[2,1-
a]isoquinolin-2-yl)phenyl]methanesulfonamide 823820-60-6P,
5-Ethyl-2-(2-fluoro-3,4-dimethoxyphenyl)-8,9-dimethoxy-3-methyl-5,6-
dihydropyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
823820-62-8P, 7-Chloro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-
dimethoxy-3,5-dimethyl-5,6-dihydropyrrolo[2,1-a]isoquinoline-1-carboxylic
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3-[2-(methoxycarbonyl)ethyl]-5,6-dihydropyrrolo[2,1-a]isoquinoline
823820-70-8P, 1-(Ethoxycarbonyl)-2-(4-hydroxy-3,5-dimethylphenyl)-
8,9-dimethoxy-5-methyl-3-methyl-7-fluoro-5,6-dihydropyrrolo[2,1-
alisoquinoline
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1-Cyano-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-methyl-3-[2-
(methoxycarbonyl)ethyl]-7-fluoro-5,6-dihydropyrrolo[2,1-a]isoquinoline
823820-72-0P, 1-(Ethoxycarbonyl)-2-(4-hydroxy-3,5-dimethylphenyl)-
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                                   823820-77-5P,
1-Cyano-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-cyano-3-methyl-
5,6-dihydropyrrolo[2,1-a]isoquinoline 823820-78-6P,
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dimethoxy-5-cyano-3-[2-(methoxycarbonyl)ethyl]-7-chloro-5,6-
dihydropyrrolo[2,1-a]isoquinoline 823820-94-6P,
1-(Ethoxycarbonyl)-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-cyano-
3-[2-(methoxycarbonyl)ethyl]-7-chloro-5,6-dihydropyrrolo[2,1-
a]isoquinoline 823820-95-7P,
1-(Methoxycarbonyl)-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-
methyl-3-[2-(methoxycarbonyl)ethyl]-5,6-dihydropyrrolo[2,1-a]isoquinoline
823820-96-8P, 1-(Methoxycarbonyl)-2-(4-hydroxy-3,5-dimethylphenyl)-
8,9-dimethoxy-5-methyl-3-methyl-7-fluoro-5,6-dihydropyrrolo[2,1-
alisoquinoline
                823820-97-9P,
1-(Methoxycarbonyl)-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-
methyl-3-[2-(methoxycarbonyl)ethyl]-7-fluoro-5,6-dihydropyrrolo[2,1-
a]isoquinoline
                823821-00-7P,
1-(Methoxycarbonyl)-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-cyano-
3-methyl-5,6-dihydropyrrolo[2,1-a]isoquinoline
                                               823821-01-8P,
1-(Methoxycarbonyl)-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-cyano-
3-[2-(methoxycarbonyl)ethyl]-5,6-dihydropyrrolo[2,1-a]isoquinoline
823821-02-9P, 1-(Methoxycarbonyl)-2-(4-hydroxy-3,5-dimethylphenyl)-
8,9-dimethoxy-5-cyano-3-methyl-7-fluoro-5,6-dihydropyrrolo[2,1-
alisoquinoline
                 823821-03-0P,
1-(Methoxycarbonyl)-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-cyano-
3-[2-(methoxycarbonyl)ethyl]-7-fluoro-5,6-dihydropyrrolo[2,1-
a]isoquinoline
                 823821-04-1P,
1-(Methoxycarbonyl)-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-
methyl-3-methyl-7-chloro-5,6-dihydropyrrolo[2,1-a]isoquinoline
823821-05-2P, 1-(Methoxycarbonyl)-2-(4-hydroxy-3,5-dimethylphenyl)-
8,9-dimethoxy-5-methyl-3-[2-(methoxycarbonyl)ethyl]-7-chloro-5,6-
dihydropyrrolo[2,1-a]isoquinoline 823821-08-5P,
1-(Methoxycarbonyl)-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-cyano-
3-methyl-7-chloro-5,6-dihydropyrrolo[2,1-a]isoquinoline
823821-09-6P, 1-(Methoxycarbonyl)-2-(4-hydroxy-3,5-dimethylphenyl)-
8,9-dimethoxy-5-cyano-3-[2-(methoxycarbonyl)ethyl]-7-chloro-5,6-
dihydropyrrolo[2,1-a]isoquinoline
                                   823821-10-9P,
1-Cyano-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-methyl-3-ethyl-
5,6-dihydropyrrolo[2,1-a]isoquinoline 823821-12-1P,
1-Cyano-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-methyl-3-ethyl-7-
fluoro-5,6-dihydropyrrolo[2,1-a]isoquinoline
                                             823821-13-2P,
1-(Ethoxycarbonyl)-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-methyl-
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3-ethyl-7-fluoro-5,6-dihydropyrrolo[2,1-a]isoquinoline
823821-18-7P, 1-Cyano-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-
dimethoxy-5-cyano-3-ethyl-5,6-dihydropyrrolo[2,1-a]isoquinoline
823821-19-8P, 1-(Ethoxycarbonyl)-2-(4-hydroxy-3,5-dimethylphenyl)-
8,9-dimethoxy-5-cyano-3-ethyl-5,6-dihydropyrrolo[2,1-a]isoquinoline
823821-20-1P, 1-Cyano-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-
dimethoxy-5-cyano-3-ethyl-7-fluoro-5,6-dihydropyrrolo[2,1-a]isoquinoline
823821-21-2P, 1-(Ethoxycarbonyl)-2-(4-hydroxy-3,5-dimethylphenyl)-
8,9-dimethoxy-5-cyano-3-ethyl-7-fluoro-5,6-dihydropyrrolo[2,1-
alisoquinoline 823821-22-3P,
1-Cyano-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-methyl-3-ethyl-7-
chloro-5,6-dihydropyrrolo[2,1-a]isoquinoline 823821-23-4P,
1-(Ethoxycarbonyl)-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-methyl-
3-ethyl-7-chloro-5,6-dihydropyrrolo[2,1-a]isoquinoline
823821-26-7P, 1-Cyano-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-
dimethoxy-5-cyano-3-ethyl-7-chloro-5,6-dihydropyrrolo[2,1-a]isoquinoline
823821-27-8P, 1-(Ethoxycarbonyl)-2-(4-hydroxy-3,5-dimethylphenyl)-
8,9-dimethoxy-5-cyano-3-ethyl-7-chloro-5,6-dihydropyrrolo[2,1-
alisoquinoline 823821-28-9P,
1-(Methoxycarbonyl)-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-
methyl-3-ethyl-5,6-dihydropyrrolo[2,1-a]isoquinoline
823821-29-0P, 1-(Methoxycarbonyl)-2-(4-hydroxy-3,5-dimethylphenyl)-
8,9-dimethoxy-5-methyl-3-ethyl-7-fluoro-5,6-dihydropyrrolo[2,1-
                823821-32-5P.
alisoquinoline
1-(Methoxycarbonyl)-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-cyano-
3-ethyl-5,6-dihydropyrrolo[2,1-a]isoquinoline 823821-33-6P,
1-(Methoxycarbonyl)-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-cyano-
3-ethyl-7-fluoro-5,6-dihydropyrrolo[2,1-a]isoquinoline
823821-34-7P, 1-(Methoxycarbonyl)-2-(4-hydroxy-3,5-dimethylphenyl)-
8,9-dimethoxy-5-methyl-3-ethyl-7-chloro-5,6-dihydropyrrolo[2,1-
a]isoquinoline
                823821-37-0P,
1-(Methoxycarbonyl)-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-cyano-
3-ethyl-7-chloro-5,6-dihydropyrrolo[2,1-a]isoquinoline
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)
   (inhibitor; preparation of pyrrolodihydroisoquinolines as PDE10 inhibitors)
823819-99-4 CAPLUS
Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid,
5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3,5,5-trimethyl-
, ethyl ester (CA INDEX NAME)
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RN 823820-00-4 CAPLUS

RN

CN

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 5,6-dihydro-8,9-dimethoxy-3,5,5-trimethyl-2-(3,4,5-trimethoxyphenyl)-, ethyl ester (CA INDEX NAME)

RN 823820-01-5 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 2-[3-(4-chlorophenoxy)phenyl]-5,6-dihydro-8,9-dimethoxy-3,5,5-trimethyl-, ethyl ester (CA INDEX NAME)

RN 823820-02-6 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 2-[3-(dimethylamino)phenyl]-5,6-dihydro-8,9-dimethoxy-3,5,5-trimethyl-, ethyl ester (CA INDEX NAME)

RN 823820-03-7 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3,5-dimethyl-,

ethyl ester (CA INDEX NAME)

RN 823820-04-8 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 5-ethyl-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3-methyl-, ethyl ester (CA INDEX NAME)

RN 823820-07-1 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 3-ethyl-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-methyl-, ethyl ester (CA INDEX NAME)

RN 823820-08-2 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 5,6-dihydro-8,9-dimethoxy-3,5-dimethyl-2-(3,4,5-trimethoxyphenyl)-, ethyl ester (CA INDEX NAME)

RN 823820-09-3 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 5,6-dihydro-8,9-dimethoxy-3,5-dimethyl-2-(1-naphthalenyl)-, ethyl ester (CA INDEX NAME)

RN 823820-15-1 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 5-ethyl-5,6-dihydro-8,9-dimethoxy-3-methyl-2-(1-naphthalenyl)-, ethyl ester (CA INDEX NAME)

RN 823820-16-2 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-7,8,9-trimethoxy-3,5-dimethyl-, ethyl ester (CA INDEX NAME)

RN 823820-17-3 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1,5-dicarboxylic acid, 5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-, 1-ethyl 5-methyl ester (CA INDEX NAME)

RN 823820-18-4 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-3-propanoic acid, 1-(ethoxycarbonyl)-5,6-dihydro-8,9-dimethoxy-5-methyl-2-(1-naphthalenyl)-, methyl ester (CA INDEX NAME)

RN 823820-25-3 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-3-propanoic acid, 1-cyano-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-methyl-, methyl ester (CA INDEX NAME)

RN 823820-26-4 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carbonitrile, 5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3,5-dimethyl-(CA INDEX NAME)

RN 823820-28-6 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carbonitrile, 7-fluoro-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3,5-dimethyl- (CA INDEX NAME)

RN 823820-32-2 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carbonitrile, 5,6-dihydro-8,9-dimethoxy-2-(4-methoxy-3,5-dimethylphenyl)-3,5-dimethyl-(CA INDEX NAME)

RN 823820-44-6 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carbonitrile, 5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-methyl-3-(4-morpholinylmethyl)- (CA INDEX NAME)

RN 823820-46-8 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carbonitrile, 5,6-dihydro-8,9-dimethoxy-3,5-dimethyl-2-(4-nitrophenyl)- (CA INDEX NAME)

RN 823820-47-9 CAPLUS

CN Benzoic acid, 4-(1-cyano-5,6-dihydro-8,9-dimethoxy-3,5-dimethylpyrrolo[2,1-a]isoquinolin-2-yl)- (CA INDEX NAME)

RN 823820-48-0 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carbonitrile,

2-(4-aminophenyl)-5,6-dihydro-8,9-dimethoxy-3,5-dimethyl- (CA INDEX NAME)

RN 823820-50-4 CAPLUS

CN Benzoic acid, 4-(1-cyano-8-ethoxy-5,6-dihydro-9-methoxy-3,5-dimethylpyrrolo[2,1-a]isoquinolin-2-yl)- (CA INDEX NAME)

RN 823820-51-5 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carbonitrile, 5,6-dihydro-2-(4-hydroxy-2-methylphenyl)-8,9-dimethoxy-3,5-dimethyl- (CA INDEX NAME)

RN 823820-52-6 CAPLUS

CN Benzamide, 4-(1-cyano-5,6-dihydro-8,9-dimethoxy-3,5-dimethylpyrrolo[2,1-a]isoquinolin-2-yl)- (CA INDEX NAME)

$$\begin{array}{c|c} O & OMe \\ H_2N-C & CN & OMe \\ \hline Me & Me & \\ \end{array}$$

RN 823820-53-7 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carbonitrile, 8-ethoxy-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-9-methoxy-3,5-dimethyl- (CA INDEX NAME)

RN 823820-57-1 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carbonitrile, 5,6-dihydro-8,9-dimethoxy-3,5-dimethyl-2-[4-(2H-tetrazol-5-yl)phenyl]- (CA INDEX NAME)

RN 823820-58-2 CAPLUS

CN 4-Morpholinesulfonamide, N-[4-(1-cyano-5,6-dihydro-8,9-dimethoxy-3,5-dimethylpyrrolo[2,1-a]isoquinolin-2-yl)phenyl]- (CA INDEX NAME)

RN 823820-59-3 CAPLUS

CN Methanesulfonamide, N-[4-(1-cyano-5,6-dihydro-8,9-dimethoxy-3,5-dimethylpyrrolo[2,1-a]isoquinolin-2-yl)phenyl]- (CA INDEX NAME)

RN 823820-60-6 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 5-ethyl-2-(2-fluoro-3,4-dimethoxyphenyl)-5,6-dihydro-8,9-dimethoxy-3-methyl-, ethyl ester (CA INDEX NAME)

RN 823820-62-8 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 7-chloro-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3,5-dimethyl-, ethyl ester (CA INDEX NAME)

RN 823820-65-1 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3,5-dimethyl-, methyl ester (CA INDEX NAME)

RN 823820-67-3 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 5-cyano-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3-methyl-, ethyl ester (CA INDEX NAME)

RN 823820-69-5 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-3-propanoic acid, 1-(ethoxycarbonyl)-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-methyl-, methyl ester (CA INDEX NAME)

RN 823820-70-8 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 7-fluoro-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3,5-dimethyl-, ethyl ester (CA INDEX NAME)

RN 823820-71-9 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-3-propanoic acid, 1-cyano-7-fluoro-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9dimethoxy-5-methyl-, methyl ester (CA INDEX NAME)

RN 823820-72-0 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-3-propanoic acid, 1-(ethoxycarbonyl)-7-fluoro-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-methyl-, methyl ester (CA INDEX NAME)

RN 823820-77-5 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1,5-dicarbonitrile, 5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3-methyl- (CA INDEX NAME)

RN 823820-78-6 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-3-propanoic acid, 1,5-dicyano-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-, methyl ester (CA INDEX NAME)

RN 823820-79-7 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-3-propanoic acid, 5-cyano-1-(ethoxycarbonyl)-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-, methyl ester (CA INDEX NAME)

RN 823820-80-0 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1,5-dicarbonitrile,
7-fluoro-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3methyl- (CA INDEX NAME)

RN 823820-81-1 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 5-cyano-7-fluoro-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3-methyl-, ethyl ester (CA INDEX NAME)

RN 823820-82-2 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-3-propanoic acid, 1,5-dicyano-7-fluoro-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-, methyl ester (CA INDEX NAME)

RN 823820-83-3 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-3-propanoic acid, 5-cyano-1-(ethoxycarbonyl)-7-fluoro-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-, methyl ester (CA INDEX NAME)

RN 823820-84-4 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carbonitrile, 7-chloro-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3,5-dimethyl- (CA INDEX NAME)

RN 823820-85-5 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-3-propanoic acid, 7-chloro-1-cyano-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-methyl-, methyl ester (CA INDEX NAME)

RN 823820-86-6 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-3-propanoic acid, 7-chloro-1-(ethoxycarbonyl)-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-methyl-, methyl ester (CA INDEX NAME)

RN 823820-91-3 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1,5-dicarbonitrile, 7-chloro-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3-methyl- (CA INDEX NAME)

RN 823820-92-4 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid,
7-chloro-5-cyano-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9dimethoxy-3-methyl-, ethyl ester (CA INDEX NAME)

RN 823820-93-5 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-3-propanoic acid, 7-chloro-1,5-dicyano-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-, methyl ester (CA INDEX NAME)

RN 823820-94-6 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-3-propanoic acid, 7-chloro-5-cyano-1-(ethoxycarbonyl)-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-, methyl ester (CA INDEX NAME)

RN 823820-95-7 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-3-propanoic acid, 5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-1-(methoxycarbonyl)-5-methyl-, methyl ester (CA INDEX NAME)

RN 823820-96-8 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 7-fluoro-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3,5-dimethyl-, methyl ester (CA INDEX NAME)

RN 823820-97-9 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-3-propanoic acid, 7-fluoro-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-1-(methoxycarbonyl)-5-methyl-, methyl ester (CA INDEX NAME)

RN 823821-00-7 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid,
5-cyano-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3methyl-, methyl ester (CA INDEX NAME)

RN 823821-01-8 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-3-propanoic acid, 5-cyano-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-1-(methoxycarbonyl)-, methyl ester (CA INDEX NAME)

RN 823821-02-9 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 5-cyano-7-fluoro-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3-methyl-, methyl ester (CA INDEX NAME)

RN 823821-03-0 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-3-propanoic acid, 5-cyano-7-fluoro-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-1-(methoxycarbonyl)-, methyl ester (CA INDEX NAME)

RN 823821-04-1 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 7-chloro-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3,5-dimethyl-, methyl ester (CA INDEX NAME)

RN 823821-05-2 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-3-propanoic acid, 7-chloro-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-1-(methoxycarbonyl)-5-methyl-, methyl ester (CA INDEX NAME)

RN 823821-08-5 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid,
7-chloro-5-cyano-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9dimethoxy-3-methyl-, methyl ester (CA INDEX NAME)

RN 823821-09-6 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-3-propanoic acid, 7-chloro-5-cyano-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-1-(methoxycarbonyl)-, methyl ester (CA INDEX NAME)

RN 823821-10-9 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carbonitrile, 3-ethyl-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-methyl- (CA INDEX NAME)

RN 823821-12-1 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carbonitrile, 3-ethyl-7-fluoro-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-methyl- (CA INDEX NAME)

RN 823821-13-2 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 3-ethyl-7-fluoro-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-methyl-, ethyl ester (CA INDEX NAME)

RN 823821-18-7 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1,5-dicarbonitrile, 3-ethyl-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy- (CA INDEX NAME)

RN 823821-19-8 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 5-cyano-3-ethyl-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-, ethyl ester (CA INDEX NAME)

RN 823821-20-1 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1,5-dicarbonitrile, 3-ethyl-7-fluoro-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy- (CA INDEX NAME)

RN 823821-21-2 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 5-cyano-3-ethyl-7-fluoro-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-, ethyl ester (CA INDEX NAME)

RN 823821-22-3 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carbonitrile, 7-chloro-3-ethyl-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-methyl- (CA INDEX NAME)

RN 823821-23-4 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 7-chloro-3-ethyl-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-methyl-, ethyl ester (CA INDEX NAME)

RN 823821-26-7 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1,5-dicarbonitrile,
7-chloro-3-ethyl-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9dimethoxy- (CA INDEX NAME)

RN 823821-27-8 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 7-chloro-5-cyano-3-ethyl-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-, ethyl ester (CA INDEX NAME)

RN 823821-28-9 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 3-ethyl-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-methyl-, methyl ester (CA INDEX NAME)

RN 823821-29-0 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 3-ethyl-7-fluoro-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-methyl-, methyl ester (CA INDEX NAME)

RN 823821-32-5 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 5-cyano-3-ethyl-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-, methyl ester (CA INDEX NAME)

RN 823821-33-6 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 5-cyano-3-ethyl-7-fluoro-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-, methyl ester (CA INDEX NAME)

RN 823821-34-7 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 7-chloro-3-ethyl-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-methyl-, methyl ester (CA INDEX NAME)

RN 823821-37-0 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 7-chloro-5-cyano-3-ethyl-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-, methyl ester (CA INDEX NAME)

OSC.G 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)
RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2011 ACS on STN GI

AΒ The invention relates to the use of a pyrrolo[2,1-a]isoquinoline structure-element I [wherein R1 = Halo, nitro, amino, alkyl, hydroxyl or (cyclo) alkoxy; R2 = H, halo or alkoxy; R3 = H or alkoxy; R4 = H, F, C1, alkyl, CF3, cyclopropyl, cyano, ester or (un)substituted methoxy; R41 = H or alkyl; R5 = H, F or alkyl; R51 = H or alkyl; R6 = amino, formyl or (un) substituted alkyl; R7 is undefined; R8 = alkyl, Ph, cyano or carbonyl; etc., or their salts, stereoisomers, hydrates and hydrates of the salts of these compds.] as an integral part of the overall structure of compds., which inhibit PDE10. Thus, (6,7-dimethoxy-3,4-dihydro-2H-isoquinolin-1ylidene)-acetic acid Et ester was reacted with nitroethane and 4-hydroxy-3,5-dimethylbenzaldehyde to afford II. Exemplary compds. showed inhibition against PDE10A with log IC50 (mol/L) values of 7.01- 9.58 in the phosphodiesterase scintillation proximity assay. Therefore, I and pharmaceutical compds. thereof are useful in the treatment of central nervous system disorders, diabetes, neurol. and/or psychiatric disorders, or in the regulation of fertility.

- AN 2005:29202 CAPLUS
- DN 142:134478
- TI Pyrrolo-dihydroisoquinoline derivatives as PDE10 inhibitors
- IN Maier, Thomas; Graedler, Ulrich; Baer, Thomas; Vennemann, Matthias

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PΑ
    Altana Pharma A.-G., Germany
SO
    PCT Int. Appl., 58 pp.
    CODEN: PIXXD2
DT
    Patent
LA
    English
FAN.CNT 2
                      KIND DATE APPLICATION NO. DATE
    PATENT NO.
    WO 2005002579 A1 0005
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                       A1 20050113 WO 2004-EP51308 20040630
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                                                                20051116
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                                         US 2005-562142
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PRAI EP 2003-14425
                       A 20030630
                       P
                           20030304
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    US 2003-451282P
    WO 2004-EP51308
                       W
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
    CASREACT 142:134478; MARPAT 142:134478
ΙT
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    823820-02-6P 823820-04-8P 823820-07-1P
    823820-08-2P 823820-09-3P 823820-15-1P
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    823820-58-2P 823820-59-3P 823820-60-6P
    823820-62-8P 823820-65-1P 823820-67-3P
    RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
    (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
     (Uses)
        (pyrrolo-dihydroisoquinoline derivs. as PDE10 inhibitors)
RN
    823819-99-4 CAPLUS
CN
    Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid,
    5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3,5,5-trimethyl-
    , ethyl ester (CA INDEX NAME)
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RN 823820-00-4 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 5,6-dihydro-8,9-dimethoxy-3,5,5-trimethyl-2-(3,4,5-trimethoxyphenyl)-, ethyl ester (CA INDEX NAME)

RN 823820-01-5 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 2-[3-(4-chlorophenoxy)phenyl]-5,6-dihydro-8,9-dimethoxy-3,5,5-trimethyl-, ethyl ester (CA INDEX NAME)

RN 823820-02-6 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 2-[3-(dimethylamino)phenyl]-5,6-dihydro-8,9-dimethoxy-3,5,5-trimethyl-, ethyl ester (CA INDEX NAME)

RN 823820-04-8 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 5-ethyl-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3-methyl-, ethyl ester (CA INDEX NAME)

RN 823820-07-1 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 3-ethyl-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-methyl-, ethyl ester (CA INDEX NAME)

RN 823820-08-2 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 5,6-dihydro-8,9-dimethoxy-3,5-dimethyl-2-(3,4,5-trimethoxyphenyl)-, ethyl ester (CA INDEX NAME)

RN 823820-09-3 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 5,6-dihydro-8,9-dimethoxy-3,5-dimethyl-2-(1-naphthalenyl)-, ethyl ester (CA INDEX NAME)

RN 823820-15-1 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 5-ethyl-5,6-dihydro-8,9-dimethoxy-3-methyl-2-(1-naphthalenyl)-, ethyl ester (CA INDEX NAME)

RN 823820-16-2 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-7,8,9-trimethoxy-3,5-dimethyl-, ethyl ester (CA INDEX NAME)

RN 823820-18-4 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-3-propanoic acid, 1-(ethoxycarbonyl)-5,6-dihydro-8,9-dimethoxy-5-methyl-2-(1-naphthalenyl)-, methyl ester (CA INDEX NAME)

RN 823820-25-3 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-3-propanoic acid, 1-cyano-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5methyl-, methyl ester (CA INDEX NAME)

RN 823820-26-4 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carbonitrile, 5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3,5-dimethyl-(CA INDEX NAME)

RN 823820-28-6 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carbonitrile, 7-fluoro-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3,5-dimethyl- (CA INDEX NAME)

RN 823820-32-2 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carbonitrile, 5,6-dihydro-8,9-dimethoxy-2-(4-methoxy-3,5-dimethylphenyl)-3,5-dimethyl- (CA INDEX NAME)

RN 823820-44-6 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carbonitrile, 5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-5-methyl-3-(4-morpholinylmethyl)- (CA INDEX NAME)

RN 823820-46-8 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carbonitrile, 5,6-dihydro-8,9-dimethoxy-3,5-dimethyl-2-(4-nitrophenyl)- (CA INDEX NAME)

RN 823820-47-9 CAPLUS

CN Benzoic acid, 4-(1-cyano-5,6-dihydro-8,9-dimethoxy-3,5-dimethylpyrrolo[2,1-a]isoquinolin-2-yl)- (CA INDEX NAME)

RN 823820-48-0 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carbonitrile,

2-(4-aminophenyl)-5,6-dihydro-8,9-dimethoxy-3,5-dimethyl- (CA INDEX NAME)

RN 823820-50-4 CAPLUS

CN Benzoic acid, 4-(1-cyano-8-ethoxy-5,6-dihydro-9-methoxy-3,5-dimethylpyrrolo[2,1-a]isoquinolin-2-yl)- (CA INDEX NAME)

RN 823820-51-5 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carbonitrile, 5,6-dihydro-2-(4-hydroxy-2-methylphenyl)-8,9-dimethoxy-3,5-dimethyl- (CA INDEX NAME)

RN 823820-52-6 CAPLUS

CN Benzamide, 4-(1-cyano-5,6-dihydro-8,9-dimethoxy-3,5-dimethylpyrrolo[2,1-a]isoquinolin-2-yl)- (CA INDEX NAME)

RN 823820-53-7 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carbonitrile, 8-ethoxy-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-9-methoxy-3,5-dimethyl- (CA INDEX NAME)

RN 823820-57-1 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carbonitrile, 5,6-dihydro-8,9-dimethoxy-3,5-dimethyl-2-[4-(2H-tetrazol-5-yl)phenyl]- (CA INDEX NAME)

RN 823820-58-2 CAPLUS

CN 4-Morpholinesulfonamide, N-[4-(1-cyano-5,6-dihydro-8,9-dimethoxy-3,5-dimethylpyrrolo[2,1-a]isoquinolin-2-yl)phenyl]- (CA INDEX NAME)

RN 823820-59-3 CAPLUS

CN Methanesulfonamide, N-[4-(1-cyano-5,6-dihydro-8,9-dimethoxy-3,5-dimethylpyrrolo[2,1-a]isoquinolin-2-yl)phenyl]- (CA INDEX NAME)

RN 823820-60-6 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 5-ethyl-2-(2-fluoro-3,4-dimethoxyphenyl)-5,6-dihydro-8,9-dimethoxy-3-methyl-, ethyl ester (CA INDEX NAME)

RN 823820-62-8 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 7-chloro-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3,5-dimethyl-, ethyl ester (CA INDEX NAME)

RN 823820-65-1 CAPLUS

CN Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, 5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3,5-dimethyl-, methyl ester (CA INDEX NAME)

823820-67-3 CAPLUS RN

Pyrrolo[2,1-a]isoquinoline-1-carboxylic acid, CN 5-cyano-5,6-dihydro-2-(4-hydroxy-3,5-dimethylphenyl)-8,9-dimethoxy-3methyl-, ethyl ester (CA INDEX NAME)

OSC.G THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS) 6

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD RE.CNT 3

ALL CITATIONS AVAILABLE IN THE RE FORMAT